

A man is swimming underwater, looking towards the camera with a slight smile. His hand is extended towards the viewer, and there is a lot of water splashing around him. The background is a clear blue water.

Treat yourself to
Inverter comfort





THE BWT PIONEER INVERTER RANGE OFFERS A WIDE SELECTION OF MODELS TO EQUIP POOLS FROM 18 TO 95 M³. THEY ONLY RUN IN HEATING MODE.



Certified by TÜV Rheinland



Inverter System

On the contrary to a conventional On/Off heat pump that run at a constant speed (100%), the Inverter heat pump compressor can run at between 25% and 100% to adapt to the machine's operating conditions and outdoor temperatures.

BWT Pioneer Inverter heat pumps have three heating modes (low, medium and high). These heat pumps automatically adjust their compressor speed to adapt to the selected operating mode and outdoor temperature.



KEY ADVANTAGES

Operates at air temperatures between 0°C and 35°C (depending on the relative humidity) to prolong the pool season. Inverter heat pumps can attain an average COP of 9 under the following operating conditions: Air temperature 26°C, Water temperature 26°C, Humidity 80%*.

DIGITAL CONTROLLER

The high and low pressure controllers, water flow switch, cycle inversion defrosting system and the 5 temperature sensors are commanded by a digital controller that optimises protection of the heat pump and ensures precise control of the pool water temperature.

CABINET

The BWT Comfortline Inverter heat pump cabinet is made of galvanised steel with a durable, protective, polymer coating that guards against corrosion.

GUARANTEES

BWT Pioneer Inverter heat pump titanium exchangers are covered by a five year guarantee, the compressor is covered by a two year guarantee.

Repairs made under this guarantee are carried out in the factory.

However, an on-site guarantee is available as an option for the duration of the 2 year guarantee (not including the compressor.).

Silence

Conventional On/Off heat pumps generate a constant sound power, even when water temperature is around the set point.

On the other hand, BWT Pioneer Inverter heat pump compressors slow significantly around the set point so that they run much more quietly than a conventional On/Off machine.

This is particularly important when the heat pump must be installed close to neighbouring properties.

Installers should check regulations concerning neighbourhood noise abatement in the area of installation.

TECHNICAL DATAS

Models	CPIR08	CPIR10	CPIR13	CPIR17	CPIR21
Recommended pool volume (m ³)	18~35	20~40	30~60	40~75	50~95
Operating temperature range (°C)	7~43				
Heating power: Air 26°C, Water 26°C					
Power output (kW)	8.0	9.5	12.5	16.5	20.0
C.O.P	9.1~5.6	9.5~5.7	10.5~5.9	10.0~5.7	10.6~5.6
C.O.P at 50% speed	8.0	8.3	9.2	8.8	8.9
Certified heating power: Air 15°C, Water 26°C					
Power output (kW)	6.0	7.0	9.0	11.5	14.0
C.O.P	5.9~4.1	6.0~4.3	5.9~4.2	6.0~4.2	6.0~4.1
C.O.P at 50% speed	5.9	5.6	5.8	6.0	5.8
Nominal power (kW)	1.4	1.6	2	2.7	3.4
Nominal input current (A)	9.5	11.5	15.0	18.0	23.0
Power cable cross section (mm ²)	3×1.5	3×2.5	3×2.5	3×4	3×4
Power supply	220~240 V / 1ph / 50 Hz				
Recommended water flow rate (m ³ / h)	2 to 4	3 to 4	4 to 6	6 to 8	8 to 10
Acoustic pressure at 1m dB (A)	40.8 / 51.1	40.6 / 52.5	42.9 / 53.0	45.2 / 56.3	45.3 / 57.1
Sound pressure, 50 % capacity at 1m dB (A)	43.9	45.8	48.5	48.7	49.6
Acoustic pressure level at 10 m dB (A)	20.8 / 31.1	20.6 / 32.5	22.9 / 33.0	25.2 / 36.3	25.3 / 37.1
Exchanger	Titanium				
Cabinet	Plastic coated metallic casing				
Nominal input power, air 15 ° C (kW)	0.34~1.4	0.35~1.6	0.36~2.1	0.57~2.7	0.62~3.4
Nominal input current, air 15 ° C (A)	1.48~6.0	1.52~7.0	1.57~8.7	2.48~11.7	2.7~15.0
Maximum input current (A)	8.0	9.5	12.5	15.0	19.5
Inlet/ outlet unions (mm)	50				
Dimensions LxDxH (mm)	864×359×648	864×359×648	864×359×648	954×359×648	954×359×748
Net weight/ gross weight (kg)	46	47	49	60	68

* : The power output and COP, at 15°C, were certified by TÜV Rheinland in accordance with the European standard EN 15411-2011 and DTP no. 10 issued by the "Fédération des Professionnels de la Piscine (F.P.P.)." (French federation of pool professionals). The acoustic power was tested and certified by the CVC in accordance with the European standard EN 12102 dated 2008 and also DTP no. 10 issued by the Fédération des Professionnels de la Piscine (F.P.P.). Power output and acoustic power test reports for all Pioneer Inverter Plus heat pumps are on BWT.com.

** : The values shown are valid under the following conditions: Ambient air temperature 15°C. Water temperature 26°C, pool covered with an isothermal cover at night, filtration system running at least 15 hours per day during the heating season..

- ▶ The AFNOR ACP 90-327 agreement and the test standard drawn up by CERTITA, in the context of NF Pool-heat pump certification, recommend communication of the heating capacity at an outdoor temperature of 15°C.

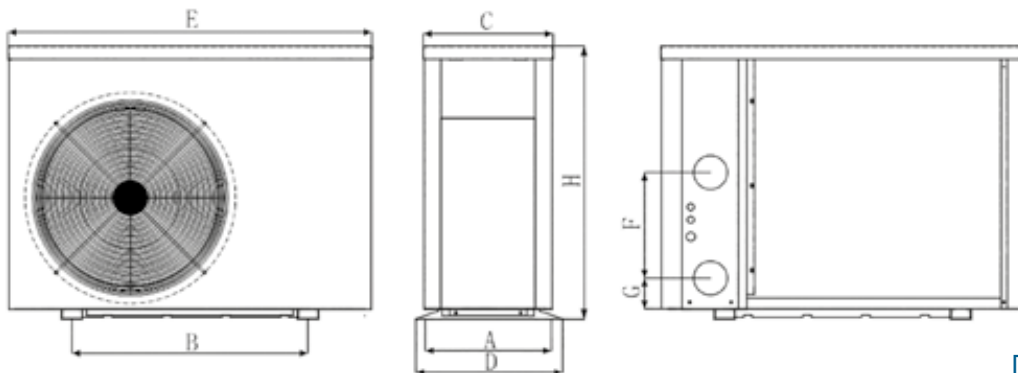


ADVANTAGES



- ▶ GMCC compressor
- ▶ Titanium exchanger,
- ▶ Magnetic flow switch, no contact between water and electricity,
- ▶ All the copper tubes in BWT Pioneer Inverter heat pumps are silver welded. This welding technique avoids risks associated with gas leaks,
- ▶ "Blue Fin" treated evaporator,
- ▶ Invisible,
- ▶ Elegant "Mini" footprint,
- ▶ Runs silently (Inverter technology),
- ▶ Easy to install, simple to maintain,
- ▶ HP-BOOSTER technology,
- ▶ Capable of achieving a COP 20% higher than conventional On/Off heat pumps on the market.

DIMENSIONS



Models/ Dimensions (in mm)	A	B	C	D	E	F	G	H
CPIR08	324	560	308	349	864	250	74	648
CPIR10	324	560	308	349	864	250	74	648
CPIR13	324	560	308	349	864	290	74	648
CPIR17	324	590	308	349	954	350	74	648
CPIR21	324	590	308	349	954	390	74	748

Dealer's stamp

